

Patent Search - Number: 6,254,574

No cases found.

[Return to Search](#)

(Charges for search still apply)

[Pricing](#) [Privacy](#) [Master Services Agreement](#)

[Copyright ©](#) 2006 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

360877 (09) 6254574 July 3, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6254574

◆ [Get Drawing Sheet 1 of 10](#)

[Access PDF of Official Patent *](#)

[Check for Patent Family Report PDF availability *](#)

* Note: A transactional charge will be incurred for downloading an Official Patent or Patent Family Report. Your acceptance of this charge occurs in a later step in your session. The transactional charge for downloading is outside of customer subscriptions; it is not included in any flat rate packages.

[Order Patent File History / Wrapper from REEDFAX®](#)

[Link to Claims Section](#)

July 3, 2001

Self-blunting needle medical devices and methods of manufacture thereof

REISSUE: July 3, 2003 - Reissue Application filed Ex. Gp.: 3763; Re. S.N. 10/614,543 (O.G. May 3, 2005)

APPL-NO: 360877 (09)

FILED-DATE: July 23, 1999

GRANTED-DATE: July 3, 2001

ASSIGNEE-AT-ISSUE: Bio-Plexus, Inc., Vernon, Connecticut, 02

ASSIGNEE-AFTER-ISSUE: October 29, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BIO-PLEXUS, INC., A CORPORATION OF CONNECTICUT 129 RESERVOIR ROAD VERNON CONNECTICUT 06066, Reel and Frame Number: 10341/0802
August 19, 2002 - SECURITY AGREEMENT, COMVEST VENTURE PARTNERS, L.P., AS ADMINISTRATIVE AGENT C/O COMMONWEALTH ASSOCIATES 830 THIRD AVENUE, 4TH FL. NEW YORK NEW YORK 10022, Reel and Frame Number: 13203/0360
November 6, 2002 - MERGER (SEE DOCUMENT FOR DETAILS)., BIO-PLEXUS DELAWARE, INC., A CORPORATION OF THE STATE OF DELAWARE AND HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 129 RESERVOIR ROAD VERNON CONNECTICUT 06066, Reel and Frame Number: 13463/0240

LEGAL-REP: Libert & Associates; Spaeth, Frederick A. - # #0

Selected file: PLUSPAT
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US6254574 B1 20010703 [US6254574]

Title :

(B1) Self-blunting needle medical devices and methods of manufacture thereof

Patent Assignee :

(B1) BIO PLEXUS INC (US)

Patent Assignee :

Bio-Plexus, Inc., Vernon CT [US]

Inventor(s) :

(B1) JONES ALEXANDER K (US); SAHI CARL R (US); POLIDORO JOHN M (US);
SMUTNEY CHAD C (US); BURZYNSKI MARK J (US); KEARNS RICHARD S (US)

Application Nbr :

US36087799 19990723 [1999US-0360877]

Filing Details :

C.I.P. of US772002 19961219 [1996US-0772002]

Continuation-in-part of: US5951520

Priority Details :

US36087799 19990723 [1999US-0360877]

US77200296 19961219 [1996US-0772002]

Intl Patent Class :

(B1) A61M-005/178

IPC Advanced All :

A61M-025/06 [2006-01 A - I R M EP]

A61M-005/32 [2006-01 A - N R M EP]

IPC Core All :

A61M-025/06 [2006 C - I R M EP]

A61M-005/32 [2006 C - N R M EP]

EPO ECLA Class :

A61M-025/06E3

US Patent Class :

ORIGINAL (O) : 604170010; CROSS-REFERENCE (X) : 604506000

Document Type :

Corresponding document

Citations :

US1527291; US3491756; US3536073; US3585996; US3809081; US4068659;
US4121588; US4233975; US4274408; US4525157; US4529399; US4613329;
US4627841; US4675005; US4721506; US4801295; US4808169; US4810248;
US4828547; US4834718; US4846805; US4869717; US4880410; US4911691;
US5009642; US5030208; US5098389; US5098402; US5139485; US5201710;
US5205829; US5312345; US5334159; US5376075; US5423760; US5433711;
US5460611; US5470318; US5527284; US5527291; US5562611; US5562629;
US5569202; US5573510; US5836916; US5871470

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

A self-blunting needle medical device comprises a needle cannula (18) fixed to a hub (20) having a receiving structure therein such as ferrule (22) and a movable blunting member (14) movably received within the cannula (18). Ferrule (22) defines a passage (38) extending therethrough, within which both the cannula (18) and the movable member (14) can be received and which establishes a coaxial relationship between them. The ferrule (22) defines a first guide surface (40) for directing the blunting end (14a) of the movable member (14) into the central bore of the cannula (18) during assembly. A second guide surface

(42) performs the function of guiding the mounting end (18b) of the cannula (18) into ferrule (22) for mounting therein. Typically, the cannula (18) has a tissue puncture tip (18a). When the movable member (14) is retracted into the cannula (18), the puncture tip (18a) is exposed for use, e.g., injection into tissue. The movable member (14) is then moved to an extended position in which blunting end (14a) projects beyond the puncture tip (18a), to render the device safe with regard to subsequent accidental needle sticks. Methods of assembling the self-blunting needle are also presented. In various embodiments, the guide member may be integral with the assembled device or may be defined by a guide member that is used only in the assembly process and from which the assembled device may be removed.

Update Code :

2001-28

1 / 1 LGST - ©EPO

Patent Number :

US6254574 B1 20010703 [US6254574]

Application Number :

US36087799 19990723 [1999US-0360877]

Action Taken :

19991029 US/AS-A

ASSIGNMENT

OWNER: BIO-PLEXUS, INC., A CORPORATION OF CONNECTICUT 129

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BURZYNSKI, MARK J.;JONES, ALEXANDER K.;KEARNS, RICHARD S.;AND

OTHERS;REEL/FRAME:010341/0802;SIGNING DATES FROM 19990913 TO 19991014

20020819 US/AS-A

ASSIGNMENT

OWNER: COMVEST VENTURE PARTNERS, L.P., AS ADMINISTRATIVE; EFFECTIVE

DATE: 20020618

SECURITY AGREEMENT;ASSIGNOR:BIO-PLEXUS, INC. /AR;REEL/FRAME:013203/0360

20021106 US/AS-A

ASSIGNMENT

OWNER: BIO-PLEXUS DELAWARE, INC., A CORPORATION OF THE ST; EFFECTIVE

DATE: 20010718

MERGER;ASSIGNOR:BIO-PEXUS, INC.;REEL/FRAME:013463/0240

20021106 US/AS-A

ASSIGNMENT

OWNER: BIO-PLEXUS DELAWARE, INC., A CORPORATION OF THE ST; EFFECTIVE

DATE: 20010718

MERGER;ASSIGNOR:BIO-PEXUS, INC. /AR;REEL/FRAME:013463/0240

20050503 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20030703

Update Code :

2005-49

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,254,574 A 20010703 [US6254574]

Patent Assignee :

Bio Plexus Inc

Actions :

20020819 REASSIGNED

SECURITY AGREEMENT

Assignor: BIO-PLEXUS, INC., DATE SIGNED: 06/18/2002

Assignee: COMVEST VENTURE PARTNERS, L.P., AS ADMINISTRATIVE AGENT, C/O
COMMONWEALTH ASSOCIATES, 830 THIRD AVENUE, 4TH FL., NEW YORK, NEW YORK,
10022

Reel 013203/Frame 0360

Contact: REID AND REIGE, P.C., KAREN L. BRAND, ESQ., ONE STATE STREET,
HARTFORD, CT 06103

20021106 REASSIGNED
MERGER

Assignor: BIO-PEXUS, INC., DATE SIGNED: 07/18/2001

Assignee: BIO-PLEXUS DELAWARE, INC., A CORPORATION OF THE STATE OF
DELAWARE AND HAVING ITS PRINCIPAL PLACE OF BUSINESS AT, 129 RESERVOIR
ROAD, VERNON, CONNECTICUT, 06066

Reel 013463/Frame 0240

Contact: FREDERICK A. SPAETH, LIBERT & ASSOCIATES, 3 MILL POND LANE,
P.O. BOX 538, SIMSBURY, CT 06070-0538

20030703 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20050503
REISSUE REQUEST NUMBER: 10/614543
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3763

Reissue Patent Number:

Session finished: 24 APR 2006 Time 19:30:22
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.